Publications of the DEFARTMENT OF COMMERCE BUREAU OF STANDARDS

Letter Circular LC-154

WASHINGTON, D.C.

February 9, 1925.

LIST OF LETTER CIRCULARS.

No.	Issued by Division.	Date	Title
1	VII-4	11-5-21	Relation of the crimp of the filling to the width of the goods after weaving.
2	0-7	11-5-21	Leather, paper, rubber, and textiles.
3	III-7	11-4-21	Reclamation of used lubricating oils.
4	V-6	11-5-21	The electrodeposition of lead-tin alloys.
5	II-3	11-27-22	Liquid conversion table.
6	0-7	10-11-21	National Bureau of Standards.
7	0-7	10-20-21	Weights and measures.
8			
9			
10	II - 9	11-2-21	List of communications of the gage section.
11			
12	II-9		Procedure of tests and explanation of reports of limit gages.
13			Shop inspection of taper thread gages.
14	11-9	11-21-19	Construction and operation of projection apparatus for measuring scret that gages and profiles.
15	II - 9	9-21-18	Interchangeability of U. S. Standard and British Standard Whitworth threads by diameter modification.
16	II-9	3-4-20	Services available at the Bureau of Standards gage laboratory.

No.	Issued by Division.	Date	Title
17	II-9	2-10-19	Drawings and explanation of drawings used in manufacture of pitch testing device.
18	II-9	5-10-23	Important European screw thread systems, and dimensions of bolt and screw heads, and nuts.
19	II-9	(Being revised)	Thread form and clearance of thread gages.
20	II-9	6-21-19	The measurement of radii on profiles.
21	II-9	7-14-19	The micrometer microscope and its uses in gage inspection.
22	II-9	8-15-19	The measurement of taper gages.
23	II-9	7-14-23	Measurement of pitch diameter of screw thread gages.
24	II-9	3-1-23	Standard thicknesses of sheet metal.
25			
26	0-7	10-19-21	Celluloid. Monograph on this subject.
27	D	10-11-21	Twelve examples of work accomplished by the Bureau of Standards.
28	III-7	11-15-24	Anti-Freezing solutions for automobile radiators.
29	VI-5 & III-6	11-16-21	Ideal wall construction.
30	III-3	11-21-21	Information on refrigeration.
31	III	11-22-21	Heat, List of publications on
32	IV		Methods of silvering glass.
33	V-6	12-1-21	The structure and properties of alternately electrodeposited metals.
34	V-6	12-1-21	Lead plating from fluoborate solutions.
35	III-7	1-7-21	Publications pertaining to petroleum products.
36	I	1-20-22	Public Utilities.

eltle	Date	sseed by Division.
Drawings and explanation of drawings used in manufacture of pitch testing device.	9£-0¥-S	8-11
Important European seres thread eystems, and dimensions of bolt and seres beads, and muts.	_ 35-01-3	2-11
Thrend form and elemence of thread gages.	(Being revised)	Con II
The measurement of radio on profiles.	el-is-a	the second
The micrometer microscope and its uses in gage in hispertion.	O. S.	C 40 3 1
The measurement of toper gages.	8-15-15	e-II
Measurement of pitch diameter of screw thread gages.	7.14.23	e-II
Standard thicknesses of sheet metal.	3-1-23	8-11
Celluloid. Monograph on this subject.	15-et-01	King and Co
Twelve examples of work accomplished by the Bureau of Stendards.	10-11-21	C
Anti-Freezing colutions for automobile redis- tors.	145-11-II	Lew J. J. J.
Ideal vall construction,	11-16-21	& 3-IV 3-III
Information on refrigoration.	10-18-11	Comment of the second
Hont, List of publications on	IS-85-II	1) [
Methods of silvering giass.		7.7 A.
The structure and proporties of alternately electrodeposited metals.	12-1-51	Sect of
Lend plating from fluoborate solutions.	Comment of the state of	FF
Publications portaining to petroloum products.	IS-17-1	T-III
Public Villities.	Sell mary the me of	

No.	Issued by Division.	Date	Title
38	III-7	1-20-22	Reports and papers relative to the investigation of automotive power plants.
39			
40	I-6	1-24-22	Radio publications of the Bureau of Standards.
41			
42	V-1	222	Acid proof coatings for concrete surfaces.
43			
44			
45			
46			
47			
48			
49			
50	I-6	11-4-22	Bibliography of books and titles of period- icals on properties and use of insulating mater-
			ials.
51	I- 6	11-4-22	List of the more important U. S. patents covering the materials and the methods of manufacture
			of an insulating material.
52	0-7	11-8-22	Miscellaneous facts about glue.
53	VI-5	11-28-22	Investigation of effect of Su-dex process of treatment on physical properties of several woods.
54	8-II	3-14-22	Protection of track-scale parts from corrosion.
55	II-8	3-15-22	Equipment for testing and adjusting railroad track scales.
56			
57	VII-3	1-2-23	Tests on asbestos and rubber sheet packing.

estatu —		yd bereal noietviü	. Off
Reports and papers relative to the invostiga- tion of automotive power plants.	SS-0S-I	T.ZII	38
Radio pablications of the Europe of Stundards.	SS-45-I	3-1	88 02
) e e		And the state of t
Acid proof contings for condrete surfaces.	568	Lear V	53 34
			j.j.
			64 64
			\$745.
			89 89
Bibliography of books and hitles of period- loals on properties and use of insulating mater- ials.	Ser Bratt	3~I	CS.
List of the gore important U. S. patents cover- ing the materials and the methods of menufacture of an insulating material.	- SS-A-EI	G and T	IZ.
Misociloneous facts about glue.	SS-8-II	6-0	53
Investigation of effect of Eu-dex process of treatment on physical properties of several woods.	11-38-22	Con The	83
Protection of track-scale parts from corrector.	Committee of the second	P >= 1 1	54
Equipment for teeting and adjusting rollrusd truck scales.	3-15-22	Care J. I.	88
			86.
Tests on enbestos and rebbes seect peckley.	Contraction of the second	Co es la grande	25

No.	Issued by Division.	Date	Title
58	II-1	3-29-22	Specifications for 3-inch sieves.
59	V-1	11-15-24	List of publications on paints, varnish, etc.
60	I-8	4-20-22	Publications of the Bureau of Standards of interest in connection with accident prevention and safety.
61	VIII	4-26-22	Hardened copper.
62			
63	0-7	5-8-22	Testing of spark plugs.
64	V-1	5-9-22	Shingle stains.
65			
66			
67	I ₩-4	6-8-22	Method for designing an objective for an astronomical telescope.
68			
69	V-7	7-1-22	A portable permeability apparatus.
70	III-6 & V-7	7-3-22	The safety of portable motion picture projectors.
71	III-6	7-3-22	Tentative classification of building construction with reference to fire resistance.
72	II-1	7-26-22	Sieve testing apparatus.
73	I-6	8-1-22	Fees for testing radio apparatus.
74	II-1	8-4-22	Standard specifications for sieves.
75	I-6	8-21-22	The secondary standardization of radio wave-meters.
76	I6	8-21-22	The standardization of inductors at radio frequencies.
77	I-6	8-21-22	The comparison of condensers at radio frequencies.

4. OFFIT	Date	Issued by Division.	.ov
Specifications for 3-inch sieves.	85-88-8	gr operin	88
	11-16-24	I-V	eā
Publications of the Bureau of Standards of in- terest in commediton with accident prevention and esfoty.	4-20-23	5-1	08
Hardened coppor.	55-65-4	to the de to	£â
			52
Testing of spark plugs.	September Server Co	7-0	28
Shingle stains.	55-6-9	The control of the co	\$5
			85
			88
Method for designing an objective for an astronomical telescope.	55-8-8		78
			83
A portable permentility apparatue.	Elin was to me	7.00	\$8
The safety of portable motion picture project-		III-6 & T7	Of
Tentative classification of building con- struction with reference to fire resistance.	C.C. C.	8-213	d.
Sieve testing aggaratus.		I-II	S
Fecs for testing radio apparatus.	55-1-5		3
Straderd specifications for stores.	SS - 4	1-11	7,
The secondary standardisation of reals were-	SS-15-	3-1	ä
The strainediration of inductors at radio	SS-IS-	3 0-1	i
The comparison of condensers at redic fre-	ss-is-	T pull	

No.	Issued by Division.	Date	Title
79			
80	I- 9	9-19-22	Publications relating to gas.
81	II-8	10-10-22	Specifications for paint for use on railroad track scales.
82	V-6	10-10-22	The control of acidity in nickel deposition.
83	V- 6	10-10-22	The purity of nickel salts.
84	VII-3	2-9-23	Tests of pneumatic tires and inner tubes.
85	I-4	1-1-23	Fees for magnetic testing.
86			
87	I-6	1-27-23	Methods of measuring properties of electron tubes.
88	II-8	2-12-23	Performance of railroad track scales.
89	II-4	3-12-23	Conversion tables for petroleum oils.
90			
91	II	4-19-23	Fitting of plugs for class B weights.
92	I-6	4-25-23	Radio signals of standard frequency, and their utilization.
93			
94	VI-5	6-7-23	Calibration boxes.
95			
96	II-4	6-9-23	Specific gravity and weight per gallon of milk and cream.
97	VII-3	7-10-23	Upholstery leather.
98			
99	VII-3	8-1-23	Tests on asbestos and rubber sheet packing.
100	III-3	8-2-23	Oil heating.
101			

oftET	ede.C	Issael by Division.	. 013
			E.Z.
Publications relating to gas.	ssmet-e	E has	08
Specifications for paint for use on railroad treak scales.	\$8-01-01	8-11	12
The control of acidity in mickel deposition.	GS-01-01	J-1	58
The gard by of mickel salts.	12-11-28	3-V	6.5
Tosts of pnowntic tires and inner tubes.	85-6-8		2-8
Foes for angaotic testing.	The second of	to the f	28
			85
Methoda of measuring properties of electron tubes.	1.27.25	6-I	87
Performance of relirond track scales.	20-SI-G	8-11	88
Conversion tables for petroleum oils.	Action States	To some of the	98
			00
Mitting of plage for class 3 weights.	6-13-23	II ·	IS
Radio signals of standard frequency, and their whilizetion.	Section of the second	2-1	Se
			22
Calibration boxes.	Con Toro	The state of the s	46
			95
Specific gravity and weight por gallon of milk and cream.	38-2-3	Am II	89
Upholutery Leather.	Comment of the second	STITT	16
			86
Tosts on asbestos and rubber sheet packing.	8-1-23	the state of the same	66
·galised Lio	Compare Significant	E-111	SUL
			ror

No.	Issued by Division.	Date	Title
102			
103	I-6	9-22-23	Design of a series of single-layer inductance coils suitable for radio frequency standards.
104	VIII-2	10-3-23	Heat treatment of steel. (Reprint of Letter Circular VIII-2 No. 82).
105	I - 6	10-31-23	Application of statistical analysis to radio transmission problems.
106	VII-3	11-14-23	Upholstery leather. (II).
107	IV-5	12-6-23	Emissivity of paints for radiators, canopies, etc.
108	II-9	12-21-23	Lead errors in commercial screw threads, taps, and dies.
109			
110	III-3	1-26-24	Information on heating and ventilation.
111	S-IIIA	2-12-24	Characteristics, treatment and uses of high- speed tool steels. (Reissue of Circular Letter VIII-7, April 17, 1920).
112	A D	2-18-24	Twelve outstanding accomplishments of the Bureau of Standards in 1923.
113	III-6	2-27-24	Fire resistance of clay hollow wall tile.
114	II=4	3-25-24	Petroleum oil table, volume at 60° F. occupied by unit volume at indicated temperature.
115	V-6	3-27-24	Behavior of nickel anodes.
116	II-O	4-9-24	Conversion tables.
117	IV-5	4-24-24	Selenium cells.
118	VIII-O	4-25-24	Publications of the Division of Metallurgy.
119	A D	5-1-24	Bureau of Standards research associate plan.
120	V- 6	5-7-24	Conductivity of nickel solutions.
121	V-6	5-12-24	Publications on electrodeposition from the Bureau of Standards.

ù.I∜.EŽ	2019A	už napak unia už	6 · ·
			1201
constantal month-edgals to actrop a la nytart .escaberan natasyon to dios sol offering nation	\$2.400kg	Gar. J.	ţ.N.
Erroller Villes Boller (Bryslat of Jones Grands)	The San San San	in the section of the	5.1% C
ožber od ka vikust i nijelýmet. To volikuli yd "akožalag sa ostinos, od	25-12-73	Ja.Z	e (i)
The state of the s	20-11-52	Comment of the same	****
Terminist of painte for this coll, paparios.	Sant William	F san Villa	44
in at its owners the second of the contract of the second	Contraction of the Contraction o	20 80 20 7 U	
 สถารัสสมรัฐการและ วัชจากกระดังสาวและ ค.ศ.กระดังสาราชอุโยสรัฐการ 	14 - 18 To - I	2-11.T	:
Outside the first of the second second section of the second seco	Samily brilly	State of the state	1.15
i kom film og folklært og bold og boldere komfunt Log bold og folklærete	The Same	E	
* FEET THE STATE OF THE PROPERTY OF THE	13+12+	yr røkliger i Nord i	
une no VS (1) in the last of the last of the subflowing and the same of the transfer in an applicant from the subflowing	e the same of a basic		
The state of the section of	The many they make you	٠,٠	
ved filet in the security	Sept. W	P. A.	:
adi in the company of the company o	in the sound in the sound	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1 (
A, MAR Elisted Common to the Common C	Marie Carlo	Marine State of the Control of the C	
. The first of the state of the property of the second of	aga tu:	Lec	
 If the Lorent First Charles ago, while course? 	er fram frame fr	* Vr Syn	
u Province in the compression of	The second of the second	i pur (*	

No.	Issued by Division.	Date	Title
122	VI-5	5-27-24	Memorandum on specimens for fiber rope.
123	I-6	6-30-24	Kilocycle-meter conversion table.
124	V-2	7-16-24	Recommended specification for powdered ammonia.
125	V-6	7-28-24	Throwing power in copper and nickel deposition.
126	VI-5	7-28-24	Brinell hardness numbers.
127	II-8	8-13-24	Type registering weigh beams.
128	II-8	9-12-24	Specifications for hand operated grain hopper scales.
129	II-O	9-27-24	State laws, and rules and regulations relating to milk bottles.
130			
131	IX	11-11-24	Publications relating to ceramics.
132	0-7	11-11-24	The organization and work of the United States Bureau of Standards.
133	B-III	12-1-24	House heating with oil.
134	III-3	11-28-24	Painting of steam and hot water radiators,
135	II-8	12-4-24	General report of the railroad track scale testing service of the Bureau of Standards, July 1, 1923 to June 30, 1924.
136	VI- 5	12-5-24	Memorandum regarding preparation of wire rope specimens for tensile strength tests.
137	111-3	12-13-24	The safety of theater proscenium curtains.
138	0-7	12-15-24	Publications relating to building materials, construction, and building codes.
139	S-IIA	1020	Report of service test on concrete floor treatments.
140	VII-S	921	Blast furnace slag as concrete aggregate.
141	VII-2	1024	Inspection of Portland cement.

ą.Lit.LT	pist	Isolet by Diriktor.	
Memoreadem en apapidant for fiber rope.	To the Marie of the second of	J-25	ear
Etlocyclo-mover conversion vehic.	F. Grand Brand		SSJ.
Recommended specification for purdered arronts.	I-Smoting!	Control of	est
Throwing power in copper and mickel deposition.	The first way to the first way to	Ban V	esi
Brinell hardness numbers.	De san fel Con and	tong planers of his of the	28.5
Type registering weigh lease.	25-27-24	S 200 7 3	TEE
Specifications for hand operated grain legger scales.	B. S.	The same of the sa	MI
State laws, and rules and regulations relating to milk bottles.	The second second	Day 1 1	129
Fublications releting to servater.	Ki-II-II	A.c.	tor
The organization and work of the United Staies Jureau of Standards.	#8-II-II	4~0	SLL
te siin tuitaet sett.	*S	7.4.3	
Painting of steam and hot rates publiciers.	Sign Sign II	Galli	261
Seagral report of the railrest track reside testing service of the Aurena of Standards. July 1, 1923 to June 20, 1321.	And the standing was the	en e	
Momorpheta regarding projectable of wire rope epochment for toneils erroughly trake.	-4-6-81	The second of th	222
The endety of thereor presential curtains.	the state of the state of		
Publications relating to bullding materials.	PR-ST-ST	07	138
Report of service test or schorete floor trockwents.	District and it	The File	CCi
Blast furnece slag as concrete appropria.	EGW mo	Com J. Wille	OLI
Inspection of Porthaud coment.	Alle Mi	E. M. selo. 28 T. T. S.	**************************************

No.	Issued by Division.	Date	Title
142	VII-2	821	Principal requirements of the Portland coment specifications of various countries.
143	VII-4	924	List of publications on textiles.
144	VII-7		List of publications on lime.
145	VII7		List of publications on gypsum.
146	VII-7		List of publications on sand-lime brick.
147	VIII	7-26-20	Sources of information and data on the properties of metals and alloys.
148			
149	VIII		Welding practices.
150	II-4	1-26-25	Dry etching of glass.
151	VII-3	1-27-25	Analysis of raw tanning materials.
152	II-8	1-27-25	Specifications for the manufacture and installation of motor-truck, built-in, self-contained, and portable scales for railroad service.
153	II-4	2-7-25	Abridged volume correction table for petroleum oils.
154	0-7	2-9-25	List of letter circulars.

· (2)	ListNobracey	Chirould!	4, 000
4 30	A worker was to a said		

				4
Win .	(1)			
	Adel . S v.	ourd off-481	Ofreulas	1. C. 1. C.
			en de la compania de La compania de la compania del compania del compania de la compania del compania de la compania del compania de la compania del c	
3 <u>1</u> + 12	6		.Lolvivić	
	Territori II	* IS8	8-517	91
l requirements of the Tertisma causes	desiri soqa	The same of the sa		
.aniifmed on anolimoilas		48e	3-51	A.1 1
siblications on hims.			The second secon	ide
			7-117	ž. A
willications on grypaum.			7-717	į, :
.wated unti-hose so manifestidu	q to faid			
l information and data on the pro-	e zaetices e	08 - \$5 - \$	had not the V	1.00
-org see to the signification of the cinter	. <u>(</u> (()) 문양보로 5학명			91.
, *sepitosa	Wolfling p		7217	62
acais ic a	Dry etckin	88-88 -1	\$-51	05
. skeimoone zakama wat b		THE WALL STREET	Sea S. M. park	30
		813-75m1	2 see 1 2	52
ert pas sometaniumsm off tolk madi Vilos , niceflins , mountement to	3 美国大学的特别的	3		
Shorifer Total Round Sidefroy bar	caicined, e ervice,	44		
	Lands Correla	2	Free S.	3.5
supplication rot older soldperate omula	ilis.			
.crelicate rota	ar to jeid	89 m8 m8	i ala	
# of delinations of the first o				